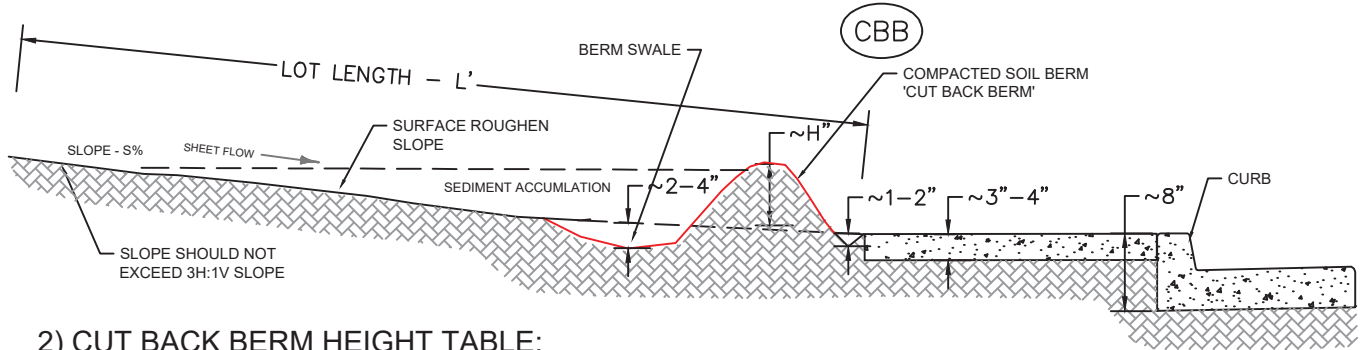


CUT BACK BERM (TYP.) - ATTACHED SIDEWALK

1) CROSS SECTION CUT BACK BERM:



2) CUT BACK BERM HEIGHT TABLE:

Lot Length =	100.0	ft.	Typical A Lot		
Design Sed. Trap Capacity ¹	1,800	ft ³ /acre			
	0.0413	ft ³ /ft ²			
Required Capacity =	4.13	ft ³ /ft			
Lot Slope - S (%)	Gradient (Horz:1Vert)	Angle (Degrees)	Angle (Radians)	Height of Berm - H (ft.)	Height of Berm - H (in.)
0-5	20	2.9	0.050	0.41	5.0
5-10	10	5.7	0.100	0.83	9.9
10-20	5	11.3	0.197	1.65	19.8
20-33	3	18.3	0.319	2.73	32.7

¹ Taken from Douglas County Sediment Trap storage volume requirement.

3) CURB SOCK OR WATTLE CHECK SPACING IN BERM SWALE:

MAXIMUM ROCK SOCK SPACING	
SLOPE	SPACING (FT)
0.5%	100
1%	100
2%	75
3%	50
4%	50
5%	50
6%	25
7%	25
8%	25

- INSTALL WATTLE CHECKS AT DOWNSLOPE LOT LINE(S) AND AS THE SPACING TABLE DICTATES.

DESCRIPTION AND PURPOSE

- A TEMPORARY SEDIMENT BARRIER FORMED BY COMPACTED SOIL BERM BEHIND CURB OR SIDEWALK DESIGNED TO RETAIN SEDIMENT ON LOT DURING LAND DEVELOPMENT OR VERTICAL CONSTRUCTION.

SUITABLE APPLICATIONS

- DURING LAND DEVELOPMENT AFTER PAVING OR VERTICAL.
- USE SURFACE ROUGHENING ON UPGRADIENT SLOPES.

LIMITATIONS

- NOT FOR USE EXCEEDING 3H:1V SLOPES.
- NOT FOR USE FOR CONCENTRATED FLOW AREAS.
- PROLONGED STANDING WATER IN PROXIMITY TO PAVEMENT MAY AFFECT SUB-BASE OF PAVING AND COULD CAUSE SOIL TO SETTLE AND POTENTIALLY DAMAGE CONCRETE.

INSPECTION AND MAINTENANCE

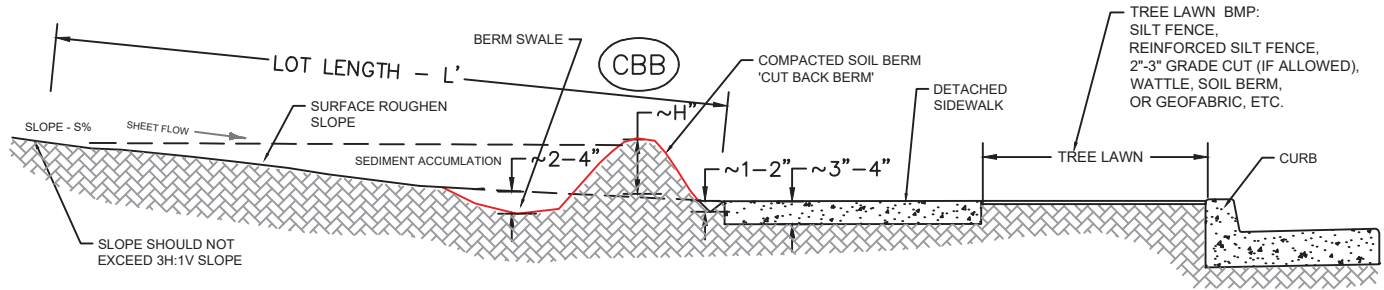
- INSPECT IN ACCORDANCE WITH SITE SWMP.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 CAPACITY. IMMEDIATELY SWEEP ANY SEDIMENT ON CURB OR SIDEWALK.
- IMPLEMENT ADDITIONAL BMPs CONTROLS SUCH AS DOWNGRADIENT SEDIMENT CONTROL WATTLES, CURB CHECKS, OR OTHER BARRIERS AS ON-SITE CONDITIONS REQUIRE.

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CUT BACK BERM (TYP.) - DETACHED SIDEWALK

1) CROSS SECTION CUT BACK BERM WITH TREE LAWN CONTROLS :



2) CUT BACK BERM HEIGHT TABLE:

Lot Length =	100.0	ft.	Typical A Lot			
Design Sed. Trap Capacity ¹	1,800	ft3/acre				
	0.0413	ft3/ft2				
Required Capacity =	4.13	ft3/ft				
Lot Slope - S (%)	Gradient (Horz:1Vert)	Angle (Degrees)	Angle (Radians)	Height of Berm - H (ft.)	Height of Berm - H (in.)	
0-5	20	2.9	0.050	0.41	5.0	
5-10	10	5.7	0.100	0.83	9.9	
10-20	5	11.3	0.197	1.65	19.8	
20-33	3	18.3	0.319	2.73	32.7	

¹ Taken from Douglas County Sediment Trap storage volume requirement.

3) CURB SOCK OR WATTLE CHECK SPACING IN BERM SWALE:

MAXIMUM ROCK SOCK SPACING	
SLOPE	SPACING (FT)
0.5%	100
1%	100
2%	75
3%	50
4%	50
5%	50
6%	25
7%	25
8%	25

- INSTALL WATTLE CHECKS AT DOWNSLOPE LOT LINE(S) AND AS THE SPACING TABLE DICTATES.

DESCRIPTION AND PURPOSE

- A TEMPORARY SEDIMENT BARRIER FORMED BY COMPACTED SOIL BERM BEHIND CURB OR SIDEWALK DESIGNED TO RETAIN SEDIMENT ON LOT DURING LAND DEVELOPMENT OR VERTICAL CONSTRUCTION.

SUITABLE APPLICATIONS

- DURING LAND DEVELOPMENT AFTER PAVING OR VERTICAL.
- USE SURFACE ROUGHENING ON UPGRADIENT SLOPES.

LIMITATIONS

- NOT FOR USE EXCEEDING 3H:1V SLOPES.
- NOT FOR USE FOR CONCENTRATED FLOW AREAS.
- PROLONGED STANDING WATER IN PROXIMITY TO PAVEMENT MAY AFFECT SUB-BASE OF PAVING AND COULD CAUSE SOIL TO SETTLE AND POTENTIALLY DAMAGE CONCRETE.

INSPECTION AND MAINTENANCE

- INSPECT IN ACCORDANCE WITH SITE SWMP.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 CAPACITY. IMMEDIATELY SWEEP ANY SEDIMENT ON CURB OR SIDEWALK.
- INSPECT AND MAINTAIN BMPS IN TREE LAWN.
- IMPLEMENT ADDITIONAL BMPS CONTROLS SUCH AS DOWNGRADIENT SEDIMENT CONTROL WATTLES, CURB CHECKS, OR OTHER BARRIERS AS ON-SITE CONDITIONS REQUIRE.

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